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OM nucleic - nucleic search, using sw model

Run on: October 30, 2005, 06:47:36 ; Search time 1443 Seconds
(without alignments)
9609.733 Million cell updates/sec

Perfect score: 1679
Sequence: 1 Gtctgtccttcagcaaac.....ataaaagagcaaaaaaa 1679

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 9784742 seqs, 4129495052 residues

Total number of hits satisfying chosen parameters: 19569484

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Sequence 103, App					
Sequence 522, App					
Sequence 55, Appl					
Sequence 125, App					
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670	1679	100.0	1679	26	US-11-129-762-522	Sequence 522, App
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680	1601.4	95.4	1603	16	US-10-189-940-3	Sequence 3, Appli
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683	1438.4	85.7	3987	21	US-10-723-860-5804	Sequence 5804, Ap
684	1438.4	85.7	3987	21	US-10-723-860-7421	Sequence 7421, Ap
685	1432.8	85.3	1839	15	US-10-161-572-16	Sequence 16, Appl
686	1432.8	85.3	1839	18	US-10-295-027-455	Sequence 455, App
687	1418.2	84.5	2123	16	US-10-306-133-2	Sequence 2, Appli
688	1032	61.5	1032	19	US-10-657-103-1	Sequence 1, Appli
689	974	58.0	1061	15	US-10-161-572-19	Sequence 19, Appl
690	939	55.9	939	19	US-10-657-103-5	Sequence 5, Appli
691	931	55.4	1094	15	US-10-161-572-17	Sequence 17, Appl
692	891.8	53.1	1130	15	US-10-161-572-18	Sequence 18, Appl
693	539.2	32.1	1478	15	US-10-161-572-35	Sequence 35, Appl
694	539.2	32.1	3052	22	US-10-696-639-8	Sequence 8, Appli
695	539.2	32.1	3110	15	US-10-161-572-32	Sequence 32, Appl
696	537.6	32.0	1071	15	US-10-161-572-34	Sequence 34, Appl
697	537.6	32.0	1080	15	US-10-161-572-33	Sequence 33, Appl
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793	503	30.0	503	26	US-11-129-762-524	Sequence 524, App
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804	337.4	20.1	1757	22	US-09-978-418-37	Sequence 37, Appl
805	337.4	20.1	1757	22	US-10-485-231-37	Sequence 37, Appl
806	335	20.0	1075	15	US-10-161-572-29	Sequence 29, Appl
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808	314.6	18.7	898	15	US-10-161-572-31	Sequence 31, Appl
809	296.8	17.7	443	24	US-10-450-763-13838	Sequence 13838, A
810	279	16.6	1809	15	US-10-161-572-27	Sequence 27, Appl

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1021	269.4	16.0	2840	22	US-10-897-359-611	Sequence 611, App	1095	52.4	3.1	579	21	US-10-363-345A-12022	Sequence 12022, A
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c1080	54.4	3.2	6171	16	US-10-311-455-761	Sequence 761, App	1152	50.8	3.0	1004	21	US-10-425-115-75154	Sequence 75154, A
1081	53.8	3.2	489	21	US-10-425-115-14467	Sequence 14467, A	1153	50.8	3.0	1026	18	US-10-242-535A-53529	Sequence 53529, A
							1154	50.8	3.0	1026	19	US-10-085-783A-53529	Sequence 53529, A

1155	50.8	3.0	1661	21	US-10-425-115-151054	Sequence 151054,	1228	49.8	3.0	502	21	US-10-425-115-27329	Sequence 27329, A
1156	50.8	3.0	1985	19	US-10-424-599-67834	Sequence 67834, A	1229	49.8	3.0	506	10	US-09-918-995-10105	Sequence 10105, A
1157	50.8	3.0	2646	21	US-10-425-115-31139	Sequence 31139, A	1230	49.8	3.0	534	21	US-10-425-115-10497	Sequence 10497, A
1158	50.6	3.0	336	19	US-10-424-599-100526	Sequence 100526,	1231	49.8	3.0	543	21	US-10-357-930-56504	Sequence 56504, A
c1159	50.6	3.0	393	10	US-09-814-353-15254	Sequence 15254, A	1232	49.8	3.0	571	20	US-10-021-323-8505	Sequence 8505, Ap
1160	50.6	3.0	395	21	US-10-425-115-135930	Sequence 135930,	1233	49.8	3.0	600	22	US-10-956-157-5858	Sequence 5858, Ap
1161	50.6	3.0	496	19	US-10-424-599-74788	Sequence 74788, A	1234	49.8	3.0	635	21	US-10-425-115-11555	Sequence 11555, A
1162	50.6	3.0	538	19	US-10-424-599-51250	Sequence 51250, A	c1235	49.8	3.0	689	21	US-10-425-115-118276	Sequence 118276, A
1163	50.6	3.0	600	24	US-10-972-079-78376	Sequence 78376, A	1236	49.8	3.0	1048	19	US-10-351-334-38	Sequence 38, Appl
1164	50.6	3.0	856	9	US-09-770-445-613	Sequence 613, App	1237	49.8	3.0	1833	19	US-10-231-956A-76	Sequence 76, Appl
1165	50.6	3.0	1226	19	US-10-424-599-43121	Sequence 43121, A	1238	49.8	3.0	1833	21	US-10-684-422-254	Sequence 254, App
c1166	50.6	3.0	2270	19	US-10-424-599-44604	Sequence 44604, A	1239	49.8	3.0	1833	22	US-10-489-740-65	Sequence 65, Appl
1167	50.6	3.0	2924	16	US-10-205-219-103	Sequence 103, App	1240	49.8	3.0	1833	22	US-10-956-157-623	Sequence 623, App
c1168	50.6	3.0	4990	21	US-10-357-930-24994	Sequence 24994, A	1241	49.8	3.0	1833	18	US-10-439-703-75	Sequence 75, Appl
c1169	50.6	3.0	4990	21	US-10-357-930-25389	Sequence 25389, A	1242	49.8	3.0	2044	9	US-09-925-302-315	Sequence 315, App
c1170	50.6	3.0	5001	15	US-10-198-846-11011	Sequence 11011, A	1243	49.8	3.0	2044	10	US-09-925-302-315	Sequence 315, App
c1171	50.6	3.0	6029	19	US-10-240-589C-66	Sequence 66, Appl	1244	49.8	3.0	2045	15	US-10-013-477-2	Sequence 2, Appli
c1172	50.6	3.0	3673778	17	US-10-312-841-1	Sequence 1, Appli	1245	49.8	3.0	2045	16	US-10-106-698-349	Sequence 349, App
c1173	50.4	3.0	272	9	US-09-960-352-6986	Sequence 6986, Ap	1246	49.8	3.0	2496	9	US-09-745-763-101	Sequence 101, App
1174	50.4	3.0	319	18	US-10-242-535A-15028	Sequence 15028, A	1247	49.8	3.0	2496	9	US-10-463-260-3	Sequence 3, Appli
1175	50.4	3.0	319	19	US-10-085-783A-15028	Sequence 15028, A	1248	49.8	3.0	3436	9	US-09-789-561-12	Sequence 12, Appl
1176	50.4	3.0	590	21	US-10-425-115-102850	Sequence 102850,	1249	49.8	3.0	3436	9	US-09-790-622-3	Sequence 3, Appli
1177	50.4	3.0	1340	21	US-10-425-115-9974	Sequence 9974, Ap	1250	49.8	3.0	3436	16	US-10-141-953-3	Sequence 3, Appli
c1178	50.4	3.0	3687	21	US-10-602-494-233	Sequence 233, App	1251	49.8	3.0	3436	22	US-10-883-936-12	Sequence 12, Appl
c1179	50.4	3.0	6668	16	US-10-311-455-1669	Sequence 1669, Ap	1252	49.8	3.0	4080	19	US-10-424-599-115754	Sequence 115754, A
1180	50.2	3.0	201	21	US-10-357-930-19059	Sequence 19059, A	c1253	49.8	3.0	7346	16	US-10-311-455-318	Sequence 318, App
c1181	50.2	3.0	383	21	US-10-357-930-34078	Sequence 34078, A	1254	49.6	3.0	353	20	US-10-437-963-1102	Sequence 1102, App
c1182	50.2	3.0	383	21	US-10-357-930-42946	Sequence 42946, A	1255	49.6	3.0	378	21	US-10-425-115-44608	Sequence 44608, A
c1183	50.2	3.0	384	10	US-09-814-353-2534	Sequence 2534, Ap	c1256	49.6	3.0	414	21	US-10-425-115-3585	Sequence 3585, Ap
c1184	50.2	3.0	384	10	US-09-814-353-8870	Sequence 8870, Ap	1257	49.6	3.0	481	20	US-10-021-323-14917	Sequence 14917, A
1185	50.2	3.0	384	21	US-10-357-930-18971	Sequence 18971, A	c1258	49.6	3.0	543	21	US-10-425-115-117433	Sequence 117433, A
1186	50.2	3.0	418	20	US-10-437-963-799114	Sequence 79114, A	c1259	49.6	3.0	613	21	US-10-425-115-82545	Sequence 82545, A
c1187	50.2	3.0	433	21	US-10-425-115-119917	Sequence 11917, A	1260	49.6	3.0	660	19	US-10-424-599-24054	Sequence 24054, A
1188	50.2	3.0	448	21	US-10-357-930-48836	Sequence 48836, A	1261	49.6	3.0	665	21	US-10-425-115-180319	Sequence 180319, A
1189	50.2	3.0	462	21	US-10-425-115-111572	Sequence 111572,	1262	49.6	3.0	687	19	US-10-424-599-115631	Sequence 115631, A
1190	50.2	3.0	473	21	US-10-425-115-115810	Sequence 115810,	1263	49.6	3.0	716	22	US-10-764-420-422	Sequence 422, App
1191	50.2	3.0	485	21	US-10-425-115-144725	Sequence 144725,	1264	49.6	3.0	1466	21	US-10-425-115-176985	Sequence 176985, A
1192	50.2	3.0	567	21	US-10-425-115-88563	Sequence 88563, A	1265	49.6	3.0	1486	21	US-10-723-860-5536	Sequence 5536, Ap
1193	50.2	3.0	574	21	US-10-425-115-179039	Sequence 179039,	1266	49.6	3.0	1590	21	US-10-425-115-128137	Sequence 128137, A
c1194	50.2	3.0	575	19	US-10-424-599-59730	Sequence 59730, A	1267	49.6	3.0	1743	19	US-10-424-599-56660	Sequence 56660, A
1195	50.2	3.0	577	21	US-10-425-115-98308	Sequence 98308, A	1268	49.6	3.0	1973	20	US-10-437-963-98224	Sequence 98224, A
1196	50.2	3.0	629	20	US-10-437-963-61015	Sequence 61015, A	c1269	49.6	3.0	2161	10	US-09-814-353-21598	Sequence 21598, A
1197	50.2	3.0	732	20	US-10-437-963-101250	Sequence 101250,	c1270	49.6	3.0	5520	16	US-10-311-455-1491	Sequence 1491, App
1198	50.2	3.0	821	21	US-10-425-115-121786	Sequence 121786,	c1271	49.6	3.0	6015	16	US-10-311-455-650	Sequence 650, App
1199	50.2	3.0	1460	19	US-10-424-599-142655	Sequence 142655,	1272	49.6	3.0	3673778	17	US-10-312-841-2	Sequence 2, Appli
c1200	50.2	3.0	6476	16	US-10-311-455-513	Sequence 513, App	1273	49.4	2.9	408	21	US-10-357-930-56685	Sequence 56685, A
1201	50	3.0	306	21	US-10-425-115-145784	Sequence 145784,	c1274	49.4	2.9	438	21	US-10-357-930-45909	Sequence 45909, A
1202	50	3.0	325	21	US-10-357-930-59036	Sequence 59036, A	1275	49.4	2.9	464	20	US-10-437-963-42927	Sequence 42927, A
1203	50	3.0	458	21	US-10-425-115-111238	Sequence 111238,	c1276	49.4	2.9	537	21	US-10-437-963-126404	Sequence 126404, A
1204	50	3.0	464	21	US-10-357-930-50950	Sequence 50950, A	c1277	49.4	2.9	541	21	US-10-425-115-53974	Sequence 53974, A
1205	50	3.0	471	21	US-10-357-930-54342	Sequence 54342, A	1278	49.4	2.9	561	21	US-09-918-995-12358	Sequence 12358, A
1206	50	3.0	520	10	US-09-918-995-32839	Sequence 32839, A	1279	49.4	2.9	579	21	US-10-357-930-58709	Sequence 58709, A
1207	50	3.0	539	21	US-10-425-115-69113	Sequence 69113, A	1280	49.4	2.9	642	21	US-10-425-115-181737	Sequence 181737, A
1208	50	3.0	870	10	US-09-948-820-12	Sequence 12, Appl	1281	49.4	2.9	693	21	US-10-425-115-177175	Sequence 177175, A
1209	50	3.0	1302	21	US-10-613-076-12	Sequence 12, Appl	1282	49.4	2.9	788	16	US-10-106-698-2095	Sequence 2095, Ap
1210	50	3.0	870	21	US-10-739-930-5166	Sequence 5166, Ap	c1283	49.4	2.9	813	20	US-10-437-963-9434	Sequence 9434, Ap
1211	50	3.0	1492	21	US-10-425-115-103271	Sequence 103271,	1284	49.4	2.9	1068	20	US-10-437-963-86611	Sequence 86611, A
1212	50	3.0	1509	21	US-10-425-115-156329	Sequence 156329,	1285	49.4	2.9	1320	21	US-10-425-115-35301	Sequence 35301, A
1213	50	3.0	1615	21	US-10-425-115-149513	Sequence 149513, A	1286	49.4	2.9	1476	19	US-10-424-599-80163	Sequence 80163, A
1214	50	3.0	1878	21	US-10-425-115-85400	Sequence 85400, A	1287	49.4	2.9	1531	19	US-10-424-599-24007	Sequence 24007, A
1215	50	3.0	3469	21	US-10-723-860-7734	Sequence 7734, Ap	1288	49.4	2.9	1531	20	US-10-437-963-70263	Sequence 70263, A
c1216	50	3.0	21537	16	US-10-311-455-1972	Sequence 1972, Ap	1289	49.4	2.9	1603	21	US-10-357-930-22091	Sequence 22091, A
1217	49.8	3.0	263	18	US-10-242-535A-8184	Sequence 8184, Ap	1290	49.4	2.9	1603	21	US-10-357-930-23103	Sequence 23103, A
1218	49.8	3.0	263	19	US-10-085-783A-8184	Sequence 8184, Ap	1291	49.4	2.9	1603	21	US-10-357-930-27953	Sequence 27953, A
1219	49.8	3.0	270	18	US-10-242-535A-707	Sequence 707, App	1292	49.4	2.9	1603	21	US-10-357-930-28971	Sequence 28971, A
1220	49.8	3.0	270	19	US-10-085-783A-707	Sequence 707, App	1293	49.4	2.9	1899	21	US-10-425-115-72710	Sequence 72710, A
1221	49.8	3.0	311	21	US-10-357-930-49258	Sequence 49258, A	1294	49.4	2.9	2645	9	US-09-764-870-76	Sequence 76, Appl
1222	49.8	3.0	367	21	US-10-425-115-108400	Sequence 108400,	1295	49.4	2.9	2645	15	US-10-125-540-76	Sequence 76, Appl
1223	49.8	3.0	376	21	US-10-357-930-57923	Sequence 57923, A	c1296	49.4	2.9	3480	21	US-10-723-860-6047	Sequence 6047, Ap
1224	49.8	3.0	380	20	US-10-437-963-20205	Sequence 20205, A	c1297	49.4	2.9	3480	21	US-10-723-860-7357	Sequence 7357, Ap
1225	49.8	3.0	381	21	US-10-357-930-54485	Sequence 54485, A	1298	49.2	2.9	240	21	US-10-425-115-88721	Sequence 88721, A
c1226	49.8	3.0	414	21	US-10-425-115-169784	Sequence 169784,	1299	49.2	2.9	367	19	US-10-424-599-42318	Sequence 42318, A
1227	49.8	3.0	465	10	US-09-918-995-26264	Sequence 26264, A	1300	49.2	2.9	377	21	US-10-425-115-8515	Sequence 8515, Ap

1301	49.2	2.9	411	19	US-10-424-599-44054	Sequence 44054, A	1374	49	2.9	2936	21	US-10-723-860-7352	Sequence 7352, Ap
1302	49.2	2.9	416	21	US-10-425-115-166795	Sequence 166795, A	1375	49	2.9	2936	21	US-10-723-860-7519	Sequence 7519, Ap
1303	49.2	2.9	442	21	US-10-357-930-58546	Sequence 58546, A	1376	49	2.9	2947	19	US-10-424-599-49805	Sequence 49805, A
1304	49.2	2.9	448	10	US-09-918-995-12373	Sequence 12373, A	1377	49	2.9	3044	18	US-10-264-049-555	Sequence 555, App
1305	49.2	2.9	463	21	US-10-425-115-166559	Sequence 166559, A	1378	49	2.9	5945	10	US-10-311-455-1635	Sequence 1635, Ap
1306	49.2	2.9	468	21	US-10-425-115-166234	Sequence 66234, A	1379	49	2.9	5830	16	US-09-814-353-19600	Sequence 19600, A
1307	49.2	2.9	472	21	US-10-425-115-115781	Sequence 115781, A	1380	49	2.9	6012	16	US-10-311-455-2031	Sequence 2031, Ap
1308	49.2	2.9	486	19	US-10-424-599-57535	Sequence 57535, A	1381	49	2.9	6161	16	US-10-311-455-384	Sequence 384, App
1309	49.2	2.9	494	20	US-10-437-963-35220	Sequence 35520, A	1382	49	2.9	6211	16	US-10-311-455-779	Sequence 779, App
1310	49.2	2.9	528	21	US-10-425-115-8964	Sequence 8964, Ap	1383	49	2.9	6522	16	US-10-311-455-1023	Sequence 1023, Ap
1311	49.2	2.9	539	21	US-10-425-115-167612	Sequence 167612, A	1384	49	2.9	11416	16	US-10-311-455-91	Sequence 91, Appl
1312	49.2	2.9	539	21	US-10-357-930-58859	Sequence 58859, A	1385	49	2.9	11416	16	US-10-311-455-91	Sequence 19, Appl
1313	49.2	2.9	544	21	US-10-357-930-56643	Sequence 56643, A	1386	49	2.9	40862	16	US-10-311-455-2045	Sequence 2045, Ap
1314	49.2	2.9	547	20	US-10-357-930-20806	Sequence 20806, A	1387	48.8	2.9	289	21	US-10-425-115-100902	Sequence 100902, A
1315	49.2	2.9	554	21	US-10-357-930-58639	Sequence 58639, A	1388	48.8	2.9	289	10	US-09-814-353-4844	Sequence 4844, Ap
1316	49.2	2.9	575	21	US-10-357-930-58433	Sequence 58433, A	1389	48.8	2.9	289	10	US-09-814-353-1141	Sequence 1141, A
1317	49.2	2.9	577	21	US-10-425-115-146284	Sequence 146284, A	1390	48.8	2.9	307	19	US-10-424-599-133076	Sequence 133076, A
1318	49.2	2.9	639	21	US-10-425-115-39467	Sequence 39467, A	1391	48.8	2.9	308	21	US-10-357-930-49445	Sequence 49445, A
1319	49.2	2.9	687	21	US-10-425-115-44683	Sequence 44683, A	1392	48.8	2.9	313	21	US-10-357-930-55308	Sequence 55308, A
1320	49.2	2.9	712	16	US-10-106-698-1404	Sequence 1404, Ap	1393	48.8	2.9	326	21	US-10-357-930-4386	Sequence 4386, Ap
1321	49.2	2.9	717	21	US-10-425-115-120791	Sequence 120791, A	1394	48.8	2.9	340	21	US-10-425-115-38438	Sequence 38438, A
1322	49.2	2.9	877	24	US-10-491-472-79	Sequence 79, Appl	1395	48.8	2.9	382	20	US-10-437-963-5108	Sequence 5108, Ap
1323	49.2	2.9	1022	21	US-10-425-115-46658	Sequence 46658, A	1396	48.8	2.9	389	21	US-10-425-115-11841	Sequence 11841, A
1324	49.2	2.9	1134	21	US-10-425-115-176021	Sequence 176021, A	1397	48.8	2.9	432	21	US-10-425-115-94211	Sequence 94211, A
1325	49.2	2.9	1209	21	US-10-425-115-89648	Sequence 89648, A	1398	48.8	2.9	436	20	US-10-021-323-10931	Sequence 10931, A
1326	49.2	2.9	1576	21	US-10-723-860-5808	Sequence 5808, Ap	1399	48.8	2.9	446	21	US-10-357-930-19597	Sequence 19597, A
1327	49.2	2.9	2408	21	US-10-723-860-6245	Sequence 6245, Ap	1400	48.8	2.9	463	21	US-10-425-115-17603	Sequence 17603, A
1328	49.2	2.9	2501	21	US-10-473-126-364	Sequence 364, App	1401	48.8	2.9	486	20	US-10-021-323-471	Sequence 471, App
1329	49.2	2.9	2534	19	US-10-424-599-138931	Sequence 138931, A	1402	48.8	2.9	489	21	US-10-425-115-114216	Sequence 114216, A
1330	49.2	2.9	3297	20	US-10-437-963-28886	Sequence 28886, A	1403	48.8	2.9	489	21	US-10-357-930-23682	Sequence 23682, A
1331	49.2	2.9	7058	18	US-10-257-166-133	Sequence 133, App	1404	48.8	2.9	528	21	US-10-357-930-29580	Sequence 29580, A
1332	49.2	2.9	11394	16	US-10-240-453-96	Sequence 96, Appl	1405	48.8	2.9	510	21	US-10-357-930-58133	Sequence 58133, A
1333	49.2	2.9	35962	21	US-10-473-126-2421	Sequence 244, App	1406	48.8	2.9	528	21	US-10-425-115-45126	Sequence 45126, A
1334	49.2	2.9	2140405	14	US-10-027-632-76212	Sequence 76212, A	1407	48.8	2.9	546	21	US-10-425-115-166637	Sequence 166637, A
1335	49.2	2.9	2140405	18	US-10-027-632-76212	Sequence 76212, A	1408	48.8	2.9	577	21	US-10-425-115-89366	Sequence 89366, A
1336	49	2.9	256	9	US-09-732-560-89	Sequence 89, Appl	1409	48.8	2.9	588	20	US-10-437-963-55397	Sequence 55397, A
1337	49	2.9	343	20	US-10-021-323-9793	Sequence 9793, Ap	1410	48.8	2.9	608	21	US-10-425-115-150409	Sequence 150409, A
1338	49	2.9	347	21	US-10-357-930-58547	Sequence 58547, A	1411	48.8	2.9	611	21	US-10-425-115-89295	Sequence 89295, A
1339	49	2.9	350	20	US-10-437-963-9525	Sequence 9525, Ap	1412	48.8	2.9	673	16	US-10-106-698-1147	Sequence 1147, Ap
1340	49	2.9	369	21	US-10-425-115-4742	Sequence 4742, Ap	1413	48.8	2.9	756	19	US-10-424-599-124469	Sequence 124469, A
1341	49	2.9	372	21	US-10-425-115-101053	Sequence 101053, A	1414	48.8	2.9	836	22	US-09-978-418-47	Sequence 47, Appl
1342	49	2.9	403	20	US-10-021-323-8207	Sequence 8207, Ap	1415	48.8	2.9	836	22	US-10-485-231-47	Sequence 47, Appl
1343	49	2.9	416	21	US-10-425-115-127223	Sequence 127223, A	1416	48.8	2.9	970	21	US-10-425-115-15330	Sequence 1530, Ap
1344	49	2.9	426	10	US-09-918-995-10337	Sequence 10337, A	1417	48.8	2.9	980	21	US-10-723-860-4894	Sequence 4894, Ap
1345	49	2.9	429	21	US-10-357-930-57399	Sequence 57399, A	1418	48.8	2.9	1129	21	US-10-425-115-88252	Sequence 88252, A
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1347	49	2.9	469	19	US-10-424-599-99954	Sequence 99954, A	1420	48.8	2.9	1417	21	US-10-425-115-78849	Sequence 78849, A
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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65	1806	100.0	1679	15	US-10-167-749-522 Sequence 522, App
227	1806	100.0	1679	16	US-10-223-085-55 Sequence 55, Appl
233	1806	100.0	1679	16	US-10-219-065-125 Sequence 125, App
263	1806	100.0	1679	16	US-10-223-084-55 Sequence 55, Appl
264	1806	100.0	1679	16	US-10-223-088-55 Sequence 55, Appl
265	1806	100.0	1679	16	US-10-223-090-55 Sequence 55, Appl
270	1806	100.0	1679	16	US-10-223-087-55 Sequence 55, Appl
272	1806	100.0	1679	16	US-10-223-083-55 Sequence 55, Appl
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559	1806	100.0	1679	18	US-10-210-028-522 Sequence 522, App
619	1806	100.0	1679	18	US-10-162-521A-522 Sequence 522, App
627	1806	100.0	1679	18	US-10-305-654-55 Sequence 55, Appl
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662	1806	100.0	1679	22	US-10-911-886-375 Sequence 375, App
663	1806	100.0	1679	22	US-10-805-667-522 Sequence 522, App
664	1806	100.0	1679	22	US-10-897-359-522 Sequence 522, App
666	1806	100.0	1679	22	US-10-893-802-522 Sequence 522, App
667	1806	100.0	1679	22	US-10-897-360-522 Sequence 522, App
668	1806	100.0	1679	24	US-10-955-952-375 Sequence 375, App
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677	1799	99.6	1603	24	US-10-971-479-3 Sequence 3, Appl
678	1799	99.6	2012	9	US-09-966-546-5 Sequence 5, Appl
679	1799	99.6	2012	9	US-09-966-545-5 Sequence 5, Appl
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681	1799	99.6	2012	24	US-10-189-940-5 Sequence 5, Appl
682	1799	99.6	2012	24	US-10-971-479-5 Sequence 19, Appl
683	1665.5	92.2	1061	15	US-10-161-572-19 Sequence 16, Appl
684	1665.5	92.2	1678	14	US-10-098-841-72 Sequence 72, Appl
685	1665.5	92.2	1839	15	US-10-161-572-16 Sequence 455, App
686	1665.5	92.2	1839	18	US-10-295-027-455 Sequence 5804, Ap
687	1665.5	92.2	3987	21	US-10-723-860-5804 Sequence 7421, Ap
688	1665.5	92.2	3987	21	US-10-723-860-7421 Sequence 17, Appl
689	1650	91.4	1094	15	US-10-161-572-17 Sequence 2, Appl
690	1650	91.4	2129	16	US-10-306-133-2 Sequence 16, Appl
691	1644	91.0	1130	15	US-10-161-572-18 Sequence 5, Appl
692	1642	90.9	939	19	US-10-657-103-5 Sequence 34, Appl
693	1268	70.2	1071	15	US-10-161-572-34 Sequence 33, Appl
694	1268	70.2	1080	15	US-10-161-572-33 Sequence 35, Appl
695	1268	70.2	1478	15	US-10-161-572-35 Sequence 8, Appl
696	1268	70.2	3092	22	US-10-696-639-8 Sequence 32, Appl
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698	932.5	51.6	1017	15	US-10-161-572-30 Sequence 28, Appl
699	931.5	51.6	1017	15	US-10-161-572-28 Sequence 560, App
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776	859	47.6	503	18	US-10-170-481A-524 Sequence 524, App
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